Oakland Mole Survey Information

(Summary of Photo Control Points and Survey Notes)

Volume 1 of 2

San Francisco-Oakland Bay Bridge East Span Seismic Safety Project

April 2001

NOTE

THE DATE OF SURVEY WAS JANUARY 15, 1997 AND APRIL 1997. PLEASE VERIFY SURVEY POINTS AND THEIR VALUES BEFORE USING.

CONTENTS

Summary of Oakland Mole Photo Con	ntrol Points, 1 of 7, 3 of 7
4 of 7, 5 of 7, 6 of 7 and 7 of 7	5 of 13, to 11 of 13
Survey Notes, 1 of 2 and 2 of 2	12 of 13, to 13 of 13

NOTE

THE PHOTO CONTROL POINTS ARE SHOWN IN VOLUME 2 OF 2.

97-058

SUMMARY OF PHOTO CONTROL POINTS JOB: 97-058 Metric 83/29 PARTY CHIEF: KEVIN AKIN

AR-759

AR-757

ALA-15

E.A.: 04-01200K P.M. 1.0-2.3 (SFOBB TOLL PLAZA AREA)

			TOLL PLAZA AREA)
STATION	N	E	ELEV.
MOLE	648154.168	1838879.640	
ALA-16	649975.865	1841815.857	
MOLE RM-1			2.917
BB-16 4847			2.748
HV-1	648386.543	1841250.493	2.068
HV-2	648669.827	1840697.552	2.422
HV-3	648881.738	1840205.024	1.780
HV-4	648453.874	1840440.947	2.674
HV-5	648341.745	1839813.825	2.997
HV-6	648258.323	1839378.504	3.081
HV-7	648117.145	1838893.412	2.504
V-1			2.346
V-2			2.245
V-2A			2.031
V-3			1.946
V-3A			1.728
V-4			1.704
V-4A			1.950
V-5			2.317
V-6			2.996
V-7			2.961
V-8			2.865
V-9			3.165
V-10			2.327
V-11			2.547
V-12			2.449
V-12			2.430
V-14			2.579
V-14 V-15	•		2.984
V-16			2.568
W-1			2.539
W-2			2.322
W-2R			2.371
W-3			1.540
W-4(T)			2.640
, ,			1.789
W-5 (T)			1.787
W-6			2.335
W-7			2.416
W-8			1.535
W-9			1.287
W-10			1.758
W-11			4.035
W-12			2.223
W-13			1.391
W-14			2.003
W-15			2.642
AR-742			2.521
AJ-368			1.190
AR-755			1.190



1.162

1.650

1.460

	STA	TE C	F CALIF	ORNIA		.)	DEPARTMENT OF TRANSPORTATION
· .		SUM	MARY	OF P	НОТ	0	CONTROL POINTS
CHARGE UNIT-EXPND.	AUTH. P	ARTY CHI	EF	RECORDER			COMMENTS
04-01200K		Kevin	AKin	K.A.			C = CLOTH P = PAINTED
STATION	HORIZ	VERT	TARGET	STA. ELEV.	TAR	GET P	DESCRIPTION OR REMARKS
<i>Hν−</i> 1	\geq			2.068		\times	Set PK& CHC Brass Shor. on S'ly Side
							of Burma Rd, North of "A" St and between
							electrolier & RR crossing Signal
111/-2				2 422	-		
HV-5				2.422	-		Set PK in Contr of Radio Station Rd. N. of WB 80
							5. W 5 55
HV-3	\geq			1.780	X		Set PK & tin Shar in Ac Rd near radio
							towers.
11:				0.474	_		
HV-4			-	2.674	-		Set PK in S. Shldr E.B. ramp to West
	-			-			Grand Ave 242 N. of K Rail
HV-5	>			2.997		X	Set PK in Ac Shldr 13M±N of Conc
							Curb.
							•
HV-6	\geq			3.081	_	\boxtimes	Set PK in Ac Frontage Rd 16M + W'ly of
							large OH Sign above EB lanes of 1 5 S'ly
	-	 		-	-	_	OF N. EP
HV-7			-	2501	-		
HV-1		-	-	2.504	-		of Military ACRd 15 E'ly of W. EP.
CHECKED DATE	CC), .	RT	 E.	1	PM	DATE OF SURVEY PAGE OF FILE
	A	LA	80	2	1.0	-2.3	CONTROL OF THE PROPERTY OF THE

CHARGE UNIT-EXPND.	AUTH. P	PARTY CHI	EF	RECORDER			COMMENTS
04-01200K		K. AK	in	KA	,		C = CLOTH P = PAINTED
STATION	HORIZ & VERT	VERT	TARGET ELEV.	STA. ELEV.	C	GET P	DESCRIPTION OR REMARKS
N-6		\geq		1.787		\times	Set PK in Ac Rd to radio towers
						1	ZOME N'ly of locked gate.
N-7		\geq		2.335		\times	Set PK in S'ly Side of Burno Rd 38
							N'ly of Chain link Fence.
W-8		\times		2.416		\times	Set PK in AC Parking lot 16 Mt SW'ly of dome shaped bldg & 230 N'ly of N.
							of dome shaped bldg & 23 m N'ly of N.
							edge trench patch.
W-9		\geq		1.535	\times	_	Set spike 23M± W'ly of Chain link
							fence on open ground.
W-10		\times		1.287		\times	Set PK on AC radio station rd near
					-		end.
W-11		\geq		1.758	X		Set spike 9m + N. of MHW line on
		-					Open flat ground
W-12 (M3NR)		X		4.035		X	Fd RR Spike with it in top next to
							Guard rail in Small turn around.
CHECKED DATE	100).	RT	 E.		PM	DATE OF SURVEY PAGE OF FILE
טווכס	١.	rla	80		D-Z.		4/97 3. 7 97-058

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION OF PHOTO CONTROL POINTS SUMMARY COMMENTS PARTY CHIEF RECORDER CHARGE UNIT-EXPND. AUTH. C = CLOTH P = PAINTED κ_{A} K. AKin 04-01200K HORIZ | VERT | TARGET TARGET DESCRIPTION OR REMARKS STA. STATION ELEV. & VERT ONLY ELEV. Fd round head bolt w/chisled t in Imdion 2.223 W-13 Cone Circle N Side of Bay Bridge. Set PN & Shar in hub N. of radio tower 1.391 W-14 rd 2131 u from 5'ly face of 3"x5" post & 1392m W'ly of center of 121m x0.30 MX IM Conc. block in the Sand. 2.003 Set PK in cott of radio tower rd. W-15 RTE. DATE OF SURVEY PAGE Œ FILE CO. CHECKED DATE 10-23 Ala 80 4/97 97-058

	STA	TE C	F CALI	FORNIA			DEPARTMENT OF TRANSPORTATION
		SUMI	MARY	OF P	HOT	0	CONTROL POINTS
CHARGE UNIT-EXPND.	AUTH. P	ARTY CHI	EF	RECORDER			COMMENTS
04-01200K		K.AK	(in	K.A			C = CLOTH P = PAINTED
STATION	HORIZ & VERT		TARGET ELEV.	STA. ELEV.	C	GET P	DESCRIPTION OR REMARKS
V-1	1 1 1	\geq		2.346		\times	Set PK in Ac rd in Military base 132 N of EP.
				2 245			
Z-V				2.245		$\stackrel{\triangle}{-}$	Fel RR spike with purch mark in & Ac Military rd 676 M SE'ly Of 155 M cliam EBMUD Manhole.
V-2a				2.031		<u>~</u>	Set PK in AC Military Rd. 12 M N. of S. EP.
V-3		×		1.946		X	Set PK in Ac Military Rd. 201 M N. of S. EP.
V-3a		×		1.728		X	Set PK in Ac Military Rd. 094n N. of S. EP.
V-4		×		1.704		X	Set PK in AC Military Rd. 10 N. of
V-4a		×		1.950		\times	Set PK in Ac Military Rd. 150m N. of
							S. EP.
CHECKED DATE	co A	la	RT 80	_		РМ	DATE OF SURVEY PAGE OF FILE 5 7 97-058

5'14
s'ly
130 S
129 N.
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± N'ly verhead
rethind
Rd.
Paintyon
Paintyon
mt wily
58

	STAT	TE C	F CALI	FORNIA			DEPARTMENT OF TRANSPORTATION
		SUM	MARY	OF P	нот	0	CONTROL POINTS
CHARGE UNIT-EXPND.	AUTH. P	ARTY CHI	EF	RECORDER			COMMENTS
04-01200K		K.AK	in	KA.			C = CLOTH P = PAINTED
STATION			TARGET ELEV.	STA. ELEV.	TAR	GET P	DESCRIPTION OR REMARKS
V-12		\times		2.449		\times	Set PK in AC N'ly CT Paint yard 5111
							S'ly of K-Rail.
V-13		\times		2.430		\times	Grand Ave Zon N. of S. EP & 1311
							W'ly of Electrolier
V-14		\times		2.579		\times	Set PK in exponsion joint Conc gulter S. Shidr EB 80 12 N. of Corc.
in the second	95					278	borrier.
278			0	2 904			The state of the s
V-15				2.984			Set PK in AC 122 n N'ly of lip Corc Gutter S'ly Shldr E.B. 80.
V-16		\geq		2.568		\times	Set PK in Small access Rd. S. of
	7			-			EB lanes 80.
4	Ì						
CHECKED DATE	CO A	LA	RT 80		<u>-</u> -2	PM 3	DATE OF SURVEY PAGE & FILE 4/97 7 7 97-058

STATE OF TRANSPORTATION CALIFORNIA DEPARTMENT SURVEY DESCRIPTION UNIT - EXPEND. AUTHOR. CO. RTE. PM **SURVEY NOTES** ties to existing Control 04-0434F1
INSTRUMENTMAN INSTRUMENTS & NOS. - TAPE DATA - ETC SF 80 1.01-1.5 PARTY CHIEF RECORDER C Schindel Wild Trooz & D. 1600 - Paravant Cold & cloudy K AKin KA STATION Fd PK & Sh in Contr. Frontage Rd PM 189 GPS PT. N 648 293.627 E1839584.565 Fd 1" IPP&T DN 00 under AR 742 Power line 2th Southerly of SEP Frontage Rd N 648 269.777 E1839 484.677 Fd PK Sh. in contr Frontage Rd PM 190 GPS PT N 648 238.417 E 1839 252.980 DATE OF SURVEY FILE NO. CHECK BY - DATE REMARKS PAGE Metric 83 97-003

SURVE	NOTES	SURVEY DESCRIPTION	1	UNIT - EXPEND. AUTHOR. CO. RTE. PM
	Control of the Contro	Ties to exis	Ting Cont	(10) 04-0434F1 SF 80 1.01-1.5 NOS - TAPE DATA - ETC WEATHER
ARTY CHIEF	RECORDER .			- ZOOZ & DI 1600 -Paravent Cold & Cloudy
K. AKin		C. Schehae	10112	y DI 1000 Fatavani Colog - 1000g
STATION				
LP 63	Fd I" IPF	IT on open are	a next	
	to ocean		A Personal I	
. J		N 648 308.	226	
		£1839 075.		LPG3
TGT 110 ?	Fol Soike	next to ocean.		
61 110.		T or it may be		
		used to hold a		
		K relationship be		
	191. Cues	D ICIA IONSHIP DE	The Motoring	
MBNR	TJ 88 CS	Ke in old TGT	1400 00	<u> </u>
MINK			11 42 01	
· ·	Turn around	GPS PT. 648 329.365		
		39 290.27 5		
	~10	37270.2/3		
	722			
1				
ALA 15		m alloy disk in		
		aido towers 130		W - H G48577.706
er'R . T.	EP and 11:	SLY of Silver	metal	E1840060,660
A TW	Pipe gate.	GRS PT.		
REMARKS		, DAT		CHECK BY - DATE PAGE OF FILE NO. 1 2 97-003
Metri FER- GEO 14 Ray R.	C D5		15/96	2 2 97-003